

1 **AGREEMENT AND ATOMIC BROADCAST IN ASYNCHRONOUS**
2 **NETWORKS**

3 **ABSTRACT**

4 Methods and apparatus for achieving agreement among participating network devices in
5 an asynchronous network for deciding on a common value is disclosed, whereby the
6 common value is validated by a justification and both together satisfy a predetermined
7 predicate. Moreover, a method for reliably broadcasting messages in an order within the
8 asynchronous network is described. Up to one third or more of the participating network
9 devices might be faulty in arbitrary ways.

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